Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/08/2016 09:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124982	-1	3.63	124874	3.64
Blue	F	SSC	125000	124945	-1	6.01	126114	5.98
Blue	E	FITC	17316	16705	-4	4.31	944	9.88
Blue	D	PE	22501	21818	-4	3.99	981	9.32
Blue	B	PerCP-Cy5-5	67647	66926	-2	4.47	1764	13.67
Blue	A	PE-Cy7	80682	79882	-1	5.24	1048	25.24
Red	C	APC	64263	63412	-2	2.64	3575	8.36
Red	A	APC-Cy7	96129	95819	-1	2.71	1899	8.40
Violet	B	V450	11714	11260	-4	3.79	701	8.49
Violet	A	V500	48394	47323	-3	3.44	2676	6.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19353	4.87	598	9	N/A	N/A	Pass
Blue	F	SSC	62163	5.13	522	8	N/A	N/A	Pass
Blue	E	FITC	102	38.02	520	0	0.0238	219	Pass
Blue	D	PE	202	25.99	515	1	0.1507	127	Pass
Blue	B	PerCP-Cy5-5	215	40.68	610	3	0.0112	36	Pass
Blue	A	PE-Cy7	77	100.52	667	4	0.0147	12	Pass
Red	C	APC	333	26.73	586	1	0.0198	0	Pass
Red	A	APC-Cy7	120	39.16	566	1	0.0042	635	Pass
Violet	B	V450	74	41.45	460	4	0.0400	1453	Pass
Violet	A	V500	174	22.55	492	5	0.0127	93	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.75	-31.15	0.80
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.31
Red	16.08	13.28 - 19.92	N/A	N/A	31.32	31.94	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9513

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments